

CLAIMS:

1. A hammer for a piezoelectric actuator comprising:
  - a hammer ring member having two perpendicularly extending integral arms and a central opening; and
  - a hammer body having a base portion and an upwardly extending axle member, said axle member extending through said central opening of said hammer ring; and
  - said hammer ring member seated on said base portion of said hammer body.
2. The hammer of claim 1 wherein said axle member is generally cylindrical having a diameter slightly less than said central opening to ensure a tight fit between said axle member and said central opening.
3. The hammer of claim 1 wherein said central opening has protruding vertical strips for urging against an outer surface of said axle member to ensure a tight fit between said axle member and said central opening.
4. The hammer of claim 3 wherein said axle member is generally cylindrical.
5. The hammer of claim 1 wherein said ring member is made of molded plastic and said hammer body is made of metal.

6. The hammer of claim 5 wherein a diameter of said central opening of said hammer ring is same as or slightly less than a diameter of said axle member.

7. A method for producing a hammer for a piezoelectric actuator comprising the steps of:  
molding a unitary hammer ring member having two perpendicularly extending integral arms and a central vertical opening;  
molding a hammer body having a base portion and an upwardly extending axle member;  
pressing said unitary ring onto said hammer body with said axle member extending through said central opening and said ring seated on said base portion.

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The method of claim 6 wherein said hammer ring member is made of plastic material and said hammer body is made of metal materials.

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